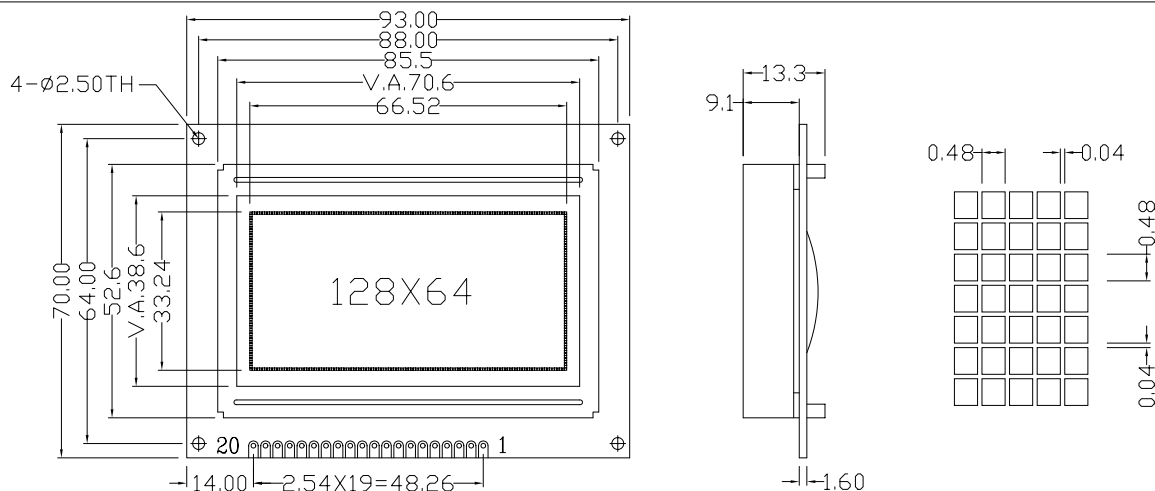


1 EXTERNAL DIMENSIONS AND DISPLAY PATTERN



2 PIN CONNECTION

Pin No.	Symbol	Level	Function
1	Vss	--	Power supply
2	Vdd	--	
3	Vo	--	
4	RS	H/L	
5	R/W	H/L	H:Data read L:Data write
6	E	H,H/L	Enable signal
7	D0	H/L	Data bus line
8	D1	H/L	
9	D2	H/L	
10	D3	H/L	
11	D4	H/L	
12	D5	H/L	
13	D6	H/L	
14	D7	H/L	
15	CS1	H	Chip select signal
16	CS2	H	Chip select signal
17	RES	L	RESET signal
18	Vee	-10V	Negative voltage for LCD driving
19	A	--	Power supply for LCD
20	K	--	Power supply for LCD

3 FEATURES

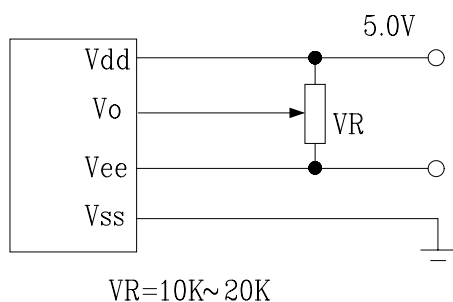
MECHANICAL DATA (Nominal dimensions)

Module size.....93.0W*70.0H*13.3D mm
Effective display area.....70.6W*38.6H mm
Dot size0.48W*0.48H mm
Dot pitch0.52W*0.52H mm

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ABSOLUTE MAXIMUM RATINGS min. max.  
Power supply for logic (Vdd-Vss).....-0.3 7.0V  
Power supply for lcd drive (Vdd-Vo).....0 15V  
Input voltage (Vi).....Vss Vdd  
Operating temperature (Ta).....0 60°C  
storage temperature (Tstg).....-20 70°C  
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ELECTRICAL CHARACTERISTICS min. max.
Ta=25°C, Vdd=5.0±0.5V
Input 'high' voltage (Vih).....0.7Vdd Vdd
Input 'low' voltage (Vil).....0 0.3Vdd
Power supply current (Idd)(Vdd=5.0V).....2.0mA
Drive method.....1/64 Duty, 1/9 Bias

4 POWER SUPPLY



5 BLOCK DIAGRAM

